

Name: \_\_\_\_\_

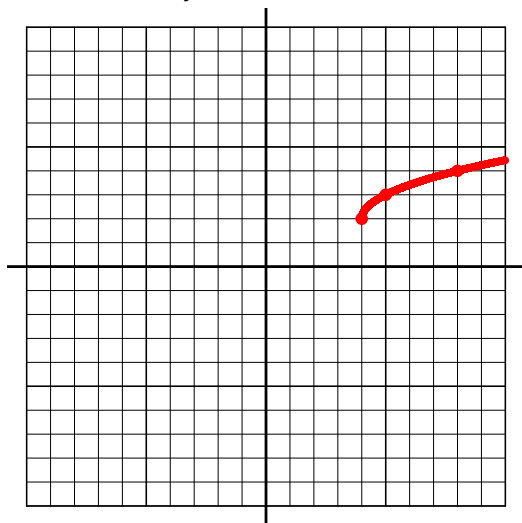
Date: \_\_\_\_\_

## PCW\_09\_29 SOLUTION: Graph Parent Translations (version 3)

Graph each equation. Let the  $y$  axis be vertical and the  $x$  axis be horizontal. Also, let both axes be at unit scale, so each goes from  $-10$  to  $10$ .

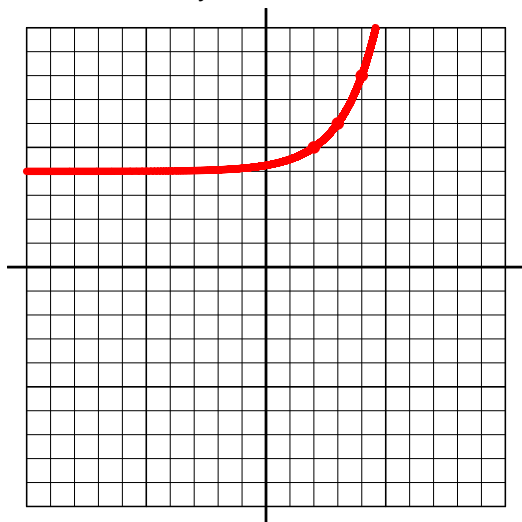
Clearly mark every solution where  $x$  and  $y$  are both integers with a small dot along the curve.

$$y = \sqrt{x-4} + 2$$

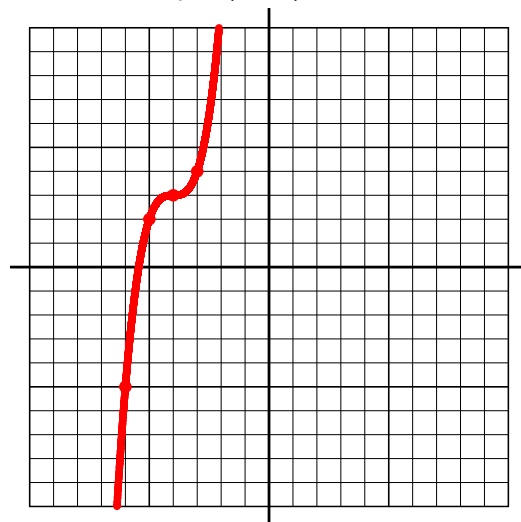


# PCW\_09\_29 SOLUTION: Graph Parent Translations (version 3)

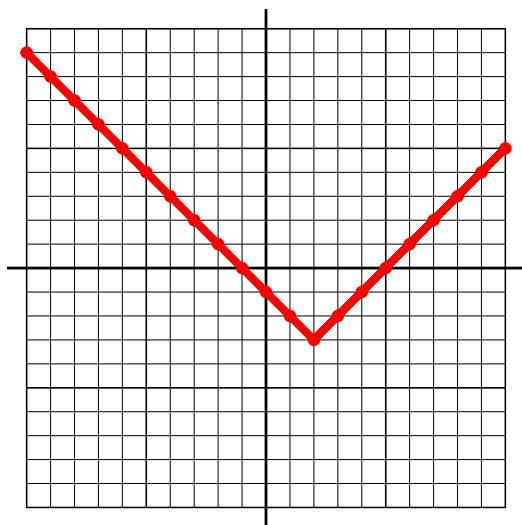
$$y = 2^{x-2} + 4$$



$$y = (x+4)^3 + 3$$



$$y = |x-2| - 3$$



$$y = \log_2(x-3) - 2$$

